

REMARKS

This application has been carefully reviewed in light of the Office Action dated March 24, 2004. Claims 1 to 14 remain pending in the application, of which Claims 1, 7, 13 and 14 are independent. Reconsideration and further examination are respectfully requested.

The title of the invention was objected to. Although the title was previously amended in the Amendment dated January 30, 2004, the title has been amended again herein to read as suggested by the Examiner. It is noted, however, that although the title has been amended to include a reference to a solar battery, the present invention is not limited to being utilized in conjunction with solar batteries, but can be utilized in conjunction with any device which corresponds to a measurement target (i.e., a device for which measurement data can be acquired and displayed).

Claims 1 to 14 were rejected under 35 U.S.C. § 103(a) over U.S. Patent No. 6,112,224 (Peifer). Reconsideration and withdrawal of the rejections are respectfully requested.

The present invention concerns acquisition and display of data of a measurement target, such as a solar battery. According to the invention, the data of the measurement target is acquired by independently executing a computer program for the data acquisition, and display information is generated to be displayed by independently executing a computer program for the display information generation, on the basis of the acquired data, with the acquisition and the display processes exchanging data by interprocess communication, and the data acquisition computer program and the display information generation computer program are executed under a multitasking function of an operating system. As a result, since the acquisition and display processes are performed

independently of one another by the multitasking function of the operating system, if an error occurs in, for example, the display process, the data can continue to be acquired by the acquisition process. Thus, the acquired data can later be displayed by the display process, even though an error in the display process may have occurred.

With specific reference to the claims, amended independent Claim 1 is an information processing apparatus for accumulating data of a measurement target, the apparatus comprising an acquisition section, arranged to acquire the data of the measurement target by independently executing a computer program for data acquisition, and a display section arranged to generate information to be displayed by independently executing a computer program for display information generation, on the basis of the acquired data, wherein the acquisition section and the display section exchange data by interprocess communication, and the data acquisition computer program and the display information generation computer program are executed under an multitasking function of an operating system.

Amended independent Claims 7 and 13 are method and computer medium claims, respectively, that substantially correspond to Claim 1.

Amended independent Claim 14 includes features along the lines of Claim 1, but also includes additional features. Thus, Claim 14 is an information processing apparatus for accumulating data of a measurement target, the apparatus comprising an acquisition section, arranged to acquire the data of the measurement target by independently executing a computer program for data acquisition, a display section, arranged to generate information to be displayed by independently executing a computer program for display information generation on the basis of the acquired data supplied to the display section by the acquiring section by interprocess communication, a recording

section, arranged to record the data obtained by the interprocess communication on a recording medium, by independently executing a computer program for data recording, a communication section, arranged to transfer data obtained by the interprocess communication to another information processing apparatus connected to a network by independently executing a computer program for data transfer, and a management section, arranged to control operations of the acquisition and display sections in accordance with priorities of the acquisition and display sections, by independently executing a computer program for operation control, wherein all of the computer programs of the acquisition, display, communication, and management sections are provided as an integrated computer program which integrates the independent computer programs and the computer programs are executed under a multitasking function of an operating system.

The applied art is not seen to disclose or to suggest the features of Claims 1, 7, 13 and 14. More particularly, the applied art is not seen to disclose or to suggest at least the feature of acquiring data of a measurement target by independently executing a computer program for data acquisition, and generating information to be displayed by independently executing a computer program for display information generation, on the basis of the acquired data, wherein the acquiring and the generating processes exchange data by interprocess communication and the programs are executed under a multitasking function of an operating system.


Peifer is seen to disclose a telemedicine system for providing patient information to a doctor. The telemedicine software can be used to send data to one or more medical devices, and each medical device includes the ability to send data to the telemedicine software. When a medical device has data to send, it sends the data to a device interface that invokes an interrupt, whereby a control unit informs the telemedicine

software that data is available and the software obtains the data. However, the different stations of Peifer do not operate under a multitasking function of an operating system. Accordingly, Peifer is not seen to disclose or to suggest at least the feature of acquiring data of a measurement target by independently executing a computer program for data acquisition, and generating information to be displayed by independently executing a computer program for display information generation, on the basis of the acquired data, wherein the acquiring and the generating processes exchange data by interprocess communication and the programs are executed under a multitasking function of an operating system. Thus, amended independent Claims 1, 7, 13 and 14, as well as the claims dependent therefrom, are believed to be allowable over Peifer.

No other matters having been raised, the entire application is believed to be in condition for allowance and such action is respectfully requested at the Examiner's earliest convenience.

Applicants' undersigned attorney may be reached in our Costa Mesa, California office at (714) 540-8700. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,



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